

## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1. (currently amended) An electronic communication system for a progressive movement means, having
  - at least one base station arranged in the progressive movement means
  - and
  - at least one carrier station, in particular a movable carrier station, that is designed to exchange data signals with the base station,
    - where the base station has
      - at least one coupling electrode,
      - at least one ground electrode and
      - at least one processing circuit for transmitting and/or receiving the data signals, formed by a voltage between the coupling electrode and the ground electrode, ~~to and from~~ between the carrier station and
    - where the carrier station has
      - at least one coupling electrode,
      - at least one ground electrode and
      - at least one processing circuit for receiving and/or transmitting the data signals, formed by a voltage between the coupling electrode and the ground electrode, ~~from and to~~ between the base station,
    - where the coupling electrode of the base station and the coupling electrode of the carrier station are coupled to one another during operation via a coupling path for the transmission of the data signals, which coupling path has at least one capacitive connection provided over at least one electric field,
    - where the ground electrode of the base station is connected electrically or capacitively during operation to an electrical ground body of the progressive movement means and
    - where the ground electrode of the carrier station is connected

electrically or capacitively during operation to the electrical ground body of the progressive movement means, characterized in that the carrier station is designed as in each case at least one sensor unit,

- which is assigned to at least one wheel or tire of the progressive movement means and

- which is designed to detect and/or determine at least one characteristic parameter of the wheel or tire, ~~such as for example the air pressure and/or the temperature and/or the wear of the wheel or tire.~~

2. (previously presented) A communication system as claimed in claim 1, characterized in that the carrier station, ~~in particular the coupling electrode of the carrier station,~~

- is spatially assigned to the outer case and/or the valve of the wheel or tire of the progressive movement means and

- is electrically insulated from the rim of the wheel or tire of the progressive movement means.

3. (previously presented) A communication system as claimed in claim 2, characterized in that the carrier station and/or the coupling electrode are integrated in the valve of the wheel or tire.

4. (previously presented) A communication system as claimed in claim 1, characterized in that the carrier station and the coupling electrode are designed as a single component and/or as a one-piece module.

5. (previously presented) A communication system as claimed in claim 1, characterized in that the coupling electrode of the base station

- is spatially assigned to the wheel guard of the progressive movement means and

- is electrically insulated from the wheel guard.

6. (previously presented )A communication system as claimed in claim 1 , characterized in that the processing circuit of the base station has

- at least one inductance,

- at least one capacitance and
- at least one driver circuit in the form of at least one modulator, which are preferably connected to one another in series,
- where the coupling electrode of the base station is preferably connected at the connection point between the inductance and the capacitance and/or
- where the ground electrode of the base station is preferably connected at the connection point between the capacitance and the driver circuit.

7. (previously presented) A communication system as claimed in claim 1, characterized in that the processing circuit of the carrier station has

- at least one inductance and
- at least one capacitance,

which are preferably connected to one another in parallel as a resonant circuit, and also

- at least one driver circuit in the form of at least one demodulator,
- where the coupling electrode of the carrier station is preferably connected at the connection point between the inductance, the capacitance and the driver circuit and/or
- where the ground electrode of the carrier station is preferably connected at the other connection point between the inductance, the capacitance and the driver circuit.

8. (previously presented) A base station for an electronic communication system as claimed in claim 1 .

9. (previously presented) A sensor unit for an electronic communication system as claimed in claim 1.

10. (previously presented) The use of at least one electronic communication system as claimed in claim 9, for detecting and/or determining at least one characteristic parameter, ~~such as for example the air pressure and/or the temperature and/or the wear, of at least one wheel or tire of a progressive movement means.~~